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Abstract

The cDNA that encodes a glycoprotein receptor from the tobacco hornworm which binds a *Bacillus thuringiensis* toxin has been obtained and sequenced. The availability of this cDNA permits the retrieval of DNAs encoding homologous receptors in other insects and organisms as well as the design of assays for the cytotoxicity and binding affinity of potential pesticides and the development of methods to manipulate natural and/or introduced homologous receptors and, thus, to destroy target cells, tissues and/or organisms.

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